

AMENDMENTS TO THE CLAIMS

Please cancel claims 1-5 and 16-18 and examine claims 6-15 included below.

1-5. (Canceled)

6. (Currently Amended) A table saw having a cutting region for cutting workpieces, comprising:

a motor driving a movable cutting tool for cutting workpieces in the cutting region;

a detection system adapted to detect one or more conditions;

a reaction system associated with the detection system and the cutting tool wherein the reaction system is configured to retract the cutting tool at least partially away from the cutting region and to disengage the motor driving the cutting tool upon detection of at least one of one or more conditions by the detection system, wherein the cutting tool retracts independently of the motor; and

a trunion that carries the motor and the cutting tool. ~~The table saw of claim 5~~
wherein the trunion has a first side and a second side and wherein the cutting tool is mounted on the first side and the motor is mounted on the second side.

7. (Currently amended) The table saw of claim 6 further comprising:

[[a.]]a motor shaft extending from the motor to the first side of the trunion;

[[b.]]an arbor carrying the cutting tool; and,

[[c.]]a drive connecting the arbor and the shaft.

8. (Original) The table saw of claim 7 wherein the arbor is movable with respect to a top of the trunion.

9. (Original) The table saw of claim 8 wherein the arbor is in a driving engagement with the motor when the arbor is in a first position such that the cutting tool is in the cutting region.
10. (Original) The table saw of claim 9 wherein the arbor is out of driving engagement with the motor when the cutting tool is retracted.
11. (Original) The table saw of claim 10 further comprising a swing arm pivotally connected to the first side of the trunion near a front of the trunion, wherein the swing arm has a first end and a second end such that the swing arm pivots about the first end.
12. (Original) The table saw of claim 11 wherein the swing arm moves independently of the motor.
13. (Original) The table saw of claim 11 further comprising a restraining mechanism associated with the first side of the trunion and the second end of the swing arm, wherein the restraining mechanism provides a force to retain the cutting tool in the cutting region.
14. (Original) The table saw of claim 12 further comprising an actuator to act on the second end of the swing arm with a force sufficient to overcome the force provided by the restraining mechanism.
15. (Original) The table saw of claim 13 further comprising a stop provided on the first side of the trunion such that the swing arm is in contact with the stop when the cutting tool is retracted.
- 16-18. (Canceled)